Author Index of Volume 145

Page numbers in italics indicate biographic notes about the authors concerned.

Balan, K., 283, *399*
Batchelor, A. W., 347, *399*
Bremhorst, K., 123, *197*
Bujurke, N. M., 385, *399*

Chen, C.-W., 201, *399*
Chhabra, R. P., 61, *197*
Chu, C. M., 101, *197*

Doong, J.-L., 43, *197*

Ehmann, K. R., 29, *197*

Flint, P. J., 123, *197*
Friedrich, K., 167, *197*

Gewfil, E. A., 297, *399*
Goyal, K. C., 329, *399*

Hanchi, J., 1, *197*
Hargreaves, D. J., 137, *197*

Iyer, K. J. L., 189, *197*

Jacobs, O., 167, *197*
Joshi, V., 283, *399*

Kameswara Rao, C. V. S., 315, *399*
Kano, M., 153, *197*
Kirk, T. B., 347, *399*
Klamecki, B. E., 1, *197*

Lacey, P., 367, *399*

Mokhtar, M. O. A., 297, *399*

Naga, S. A. R., 297, *399*

Patil, H. P., 385, *399*
Prasad, D., 61, *197*

Ramesh, C. S., 189, *197*
Riad, S. M., 297, *399*

Schulte, K., 167, *197*
Seshadri, S. K., 189, *197*
Sherif, H. A., 113, *197*
Singh, T., 77, *197*
Sinhasan, R., 329, *399*
Stachowiak, G. W., 347, *399*
Sundararajan, G., 77, 251, 283, *197*, *399*

Tan, Y.-H., 43, *197*
Tanimoto, I., 153, *197*
Tiwari, S. N., 77, *197*
Torrance, A. A., 367, *399*

Venugopal Reddy, A, 283, *399*
Verma, A. P., 315, *399*
Vishwanath, B., 315, *399*

Wang, K. S., 101, *197*

Yang, J.-B., 201, *399*
Yang, M. Y., 303, *399*
Yang, Y. P., 101, *197*
You, S. J., 29, *197*
Youn, J. W., 303, *399*

Elsevier Sequoia/Printed in The Netherlands

Subject Index of Volume 145

Acoustic emission
acoustic emission monitoring of the wear process, 1

Bearings
elastohydrodynamic studies of two-lobe journal bearings with non-Newtonian lubricants, 329

Ceramics
wear resistance properties of ceramic rocker arm pads, 153
Composite coatings
wear resistance of nickel–fly ash composite coatings, 189
Contact stiffness
parameters affecting contact stiffness of nominally flat surfaces, 113
Corrosion
effect of flow patterns on the erosion–corrosion of shell and tube heat exchangers, 123

Elastic bodies
stress analysis of an elastic body with a wavy surface, 101
Elastic contact
parameters affecting contact stiffness of nominally flat surfaces, 113
Elastohydrodynamic lubrication
analytical and numerical calculations for thermal elastohydrodynamic lubrication problems of helical W–N gears, 201
elastohydrodynamic studies of two-lobe journal bearings with non-Newtonian lubricants, 329
Epoxy resins
fretting fatigue of continuous carbon fibre reinforced polymer composites, 167
Erosion
analysis of the erosion–oxidation interaction mechanisms, 251
effect of flow patterns on the erosion–corrosion of shell and tube heat exchangers, 123
influence of microstructure on the erosion behaviour of cast irons, 283
Erosion behaviour
room temperature erosion behaviour of 304, 316 and 410 stainless steels, 77

Failure
wear failure as influenced by external stressing, 297
Ferrography
fractal parameters and computer image analysis applied to wear particles isolated by ferrography, 347
Fine rods
ultrasonic-assisted chemical machining of fine rods, 303
Flow patterns
effect of flow patterns on the erosion–corrosion of shell and tube heat exchangers, 123
Fourier transformations
computer synthesis of three-dimensional surfaces, 29
Fretting
fretting fatigue of continuous carbon fibre reinforced polymer composites, 167
Friction
effect of fabric geometry on friction and wear of glass-fibre-reinforced composites, 315

Gearing
analytical and numerical calculations for thermal elastohydrodynamic lubrication problems of helical W–N gears, 201
Glass-fibre reinforcing
effect of fabric geometry on friction and wear of glass-fibre-reinforced composites, 315

Heat exchangers
effect of flow patterns on the erosion–corrosion of shell and tube heat exchangers, 123

Elsevier Sequoia/Printed in The Netherlands

Hydrodynamic lubrication
thermal and normal squeezing effects in lubrication of rollers by a power-law fluid, 61

Iron
influence of microstructure on the erosion behaviour of cast irons, 283

Laminates
fretting fatigue of continuous carbon fibre reinforced polymer composites, 167
Laser modification
wear behaviour and microstructure of laser-processed low carbon steel with chromium, 43
Load-carrying capacity
surface waviness effects on the load-carrying capacity of rectangular slider bearings, 137
Lubrication
analysis of squeeze film action in porous layered bearings, 385
fractal parameters and computer image analysis applied to wear particles isolated by ferrography, 347

Micromachining
ultrasonic-assisted chemical machining of fine rods, 303
Microstructure
influence of microstructure on the erosion behaviour of cast irons, 283

Oxidation
analysis of the erosion–oxidation interaction mechanisms, 251

Phenolic composits
effect of fabric geometry on friction and wear of glass-fibre-reinforced composites, 315
Plastic contacts
calculation of wear coefficients for plastic contacts, 367
Pressure
analytical and numerical calculations for thermal elastohydrodynamic lubrication problems of helical W–N gears, 201

Rolling
thermal and normal squeezing effects in lubrication of rollers by a power-law fluid, 61

Silicon nitride
wear resistance properties of ceramic rocker arm pads, 153
Squeeze film
analysis of squeeze film action in porous layered bearings, 385
Steel
room temperature erosion behaviour of 304, 316 and 410 stainless steels, 77
wear resistance of nickel–fly ash composite coatings, 189
wear behaviour and microstructure of laser-processed low carbon steel with chromium, 43
Stress analysis
stress analysis of an elastic body with a wavy surface, 101
wear failure as influenced by external stressing, 297
Surface failure
wear failure as influenced by external stressing, 297
Surface microstructure
wear behaviour and microstructure of laser-processed low carbon steel with chromium, 43
Surface properties
computer synthesis of three-dimensional surfaces, 29
parameters affecting contact stiffness of nominally flat surfaces, 113
surface waviness effects on the load-carrying capacity of rectangular slider bearings, 137

Time series models
computer synthesis of three-dimensional surfaces, 29

Ultrasound
ultrasonic-assisted chemical machining of fine rods, 303

Viscosity
analytical and numerical calculations for thermal elastohydrodynamic lubrication problems of helical W–N gears, 201

Wear
acoustic emission monitoring of the wear process, 1
effect of fabric geometry on friction and wear of glass-fibre-reinforced composites, 315
Wear coefficients
the calculation of wear coefficients for plastic contacts, 367
Wear particles
fractal parameters and computer image analysis applied to wear particles isolated by ferrography, 347
Wear resistance
wear resistance of nickel–fly ash composite coatings, 189
wear resistance properties of ceramic rocker arm pads, 153